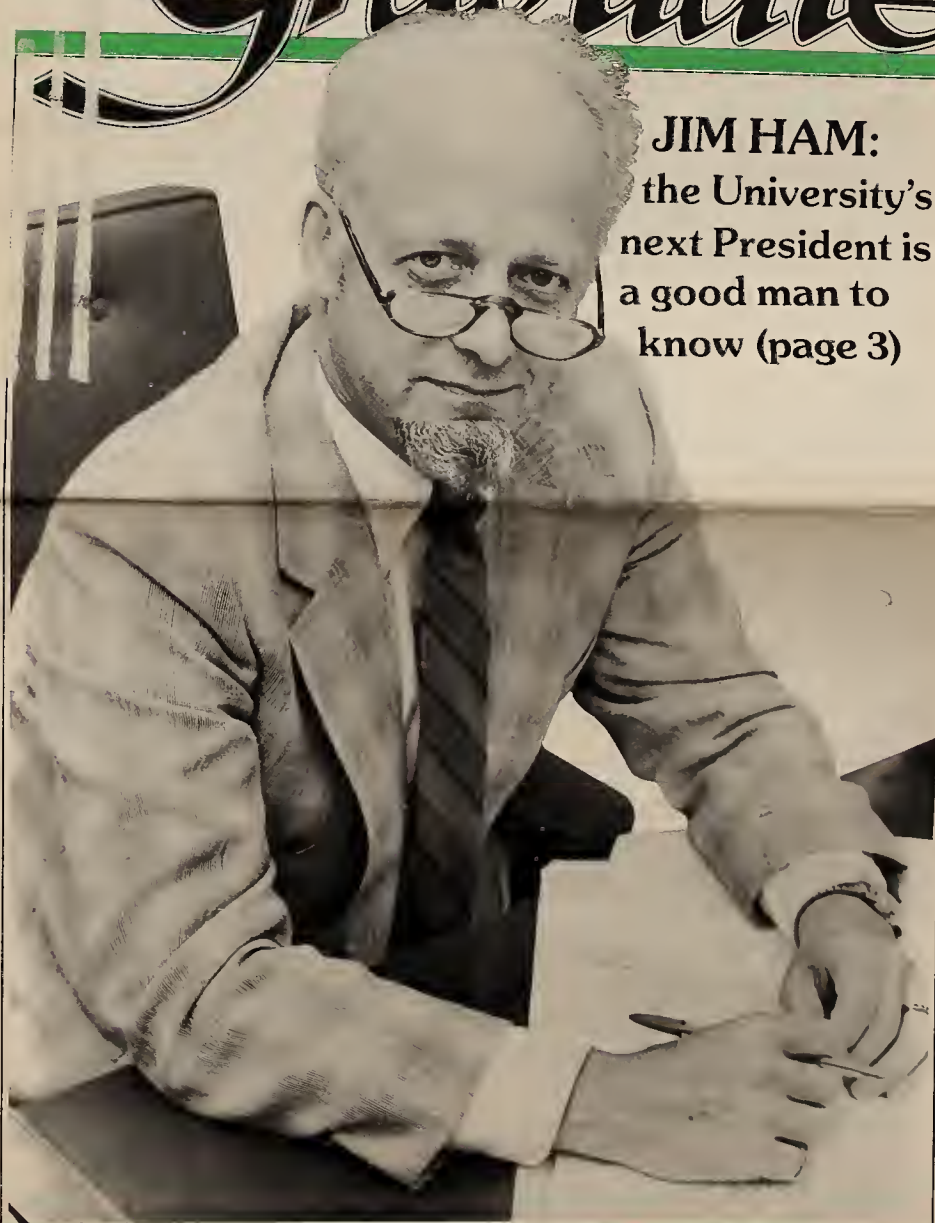


Graduate

JIM HAM:
the University's
next President is
a good man to
know (page 3)



Letters

Ceremony is a disgrace

In December I attended the Degree Ceremony, for the first time in some years, with an undergraduate friend.

I wish I could say we were impressed, and that my young friend came away with a new pride in his university and a new resolve to strive for distinction. Alas, not so. We found the ceremony itself impoverished, and the way it was carried out slowly.

Our ceremony has never had the drama of Oxford's with its proctors' walk, or the spectacle of Harvard's parade of a whole year's graduates at once round the Yard. But the few picturesque features it did have seem to be vanishing. For instance, in my time (only 10 years ago) we were admitted to our degrees ad *profectum Imperii Britannici*, "for the enhancement of the British Empire"; but that delightful phrase, so evident of our history, is now gone. The powers that be might at least have been content with modernizing it to something like *ad profectionem Britannicæ Societatis Nationum*. As for the Latin that is left, I am reminded of what the Kirk elder said of the young minister's sermon: "I was read; and 'twas badly read'."

But a far greater disaster was the neglect of proper dress. At least half the platform party did not know how to wear their hoods, but had them slipping off one shoulder or just drooping as thrown on. Candidates came in in tattered denim trousers, which may do for herding cattle in Saskatchewan, but not for taking a Varsity degree. Worst of all, most of the doctoral candidates failed to wear the proper robes, and went up in what looked like very old, rumpled, and meanly cut B.A. gowns.

All this, I submit, is nothing less than a disgrace to the University. But it stems mainly from ignorance, and could easily be put right. First a leaflet should be made up, showing the proper dress for each degree, explaining how to wear robes and hoods, and pointing out that they look best over white shirts or blouses and dark, quiet clothing. This should then be sent, well before the convocation, to all degree candidates — and all faculty, too. With it should go a letter saying the marshalls would bar from the procession any candidate sloppily dressed, or not wearing the proper robes for the degree he or she came to receive. Such people would still get their degrees, and could pick up their diplomas privately; but they would not be allowed to spoil the public ceremony for those that appreciate such things.

Someone may object to the expense candidates would be put to in having to hire doctoral robes. But that does not seem to work any hardship at universities where the degree ceremony is taken seriously. Oh, one other thing. Couldn't we have a really good organ prelude, instead of that silly medley of old college songs?

William Cooke 678

Wilderness Canoe Trips

Canoe trips for first-timers to white water enthusiasts. Algonquin Park, Killarney Park, and the Missinipi River.

Weekends to two weeks. Expert leaders.

All you need is your sleeping bag

ALGONQUIN WATERWAYS
WILDERNESS TRIPS

John McRae 271 Don Mills Ave., Toronto,
Ontario M4K 1N2 Phone (416) 469-1727

Herein

A good man to know 3

BY PAMELA CORNELL & DON EVANS

James Milton Ham was born in the village of Cobocoonk, Ont. and spent his formative years there. In 1943, he graduated from engineering at U of T. Now he is to become the next President of the University.



Lost in a sea of youth 6

BY DON EVANS

It's tough getting used to living on a student income after you've been in the work force for a few years, but that's just one of the problems you have to cope with when you enrol as a full-time undergraduate at age 33.



What will they think of next? 8

A new Canadian constitution and surgical implants that discourage alcoholics from drinking are among the practical results of research currently being carried out at U of T. You just never know what they'll think of next.

Facts & Faces 10

In & Around 12

Conferences, lectures, sports, exhibitions, concerts, operas, plays, alumni meetings, and convocations.

Items 14

Complete the coupon if you didn't graduate from U of T, but want to keep getting the *Graduate*.

I'm a stranger here myself 16

BY SONJA SINCLAIR

At Trinity College, the professor explained, you have to take one hour of Religious Knowledge a week; unless of course there happens to be a war on, in which case you may take Military Studies instead.

Vol. V, No. 3

Editor: Don Evans, B.A. '63 (U.W.O.)

Designer: Peter Maher

Staff: Anne Farnfield Duncan, Chris Johnson, Margaret MacArthur

Photographer: David Lloyd

Advisory Board: Mrs. E.J. (Loni) Panteris, B.A. 67; Thomson, Vincent Egan, B.A. 571, M.B.A. 575, Douglas Marshall, B.A. 579, Hon. B.A. 67; Vivian McDonough, B.A. 571; Peter O. Scapell, Divinity 577; Sonja Sinclair, B.A. 472; Prof. William Dunphy, B.A. 478, M.A. 570, Ph.D. 673; Prof. Robertson Davies, B.Litt. '38 (Oxon); E.J. McPherson, B.A. 475; Director: Alanna Allister; Elizabeth Wilson, B.A. 577; Director of Information Services, The Editor

For address changes contact: Alumni Affairs, 47 Wilcocks Street, Toronto, Ontario M5S 1A1

Telephone (416) 978-2339

Address and other correspondence to: Department of Information Services, 45 Wilcocks Street, Toronto, Ontario, M5S 1A1. Telephone (416) 978-2102

Advertising representatives: Alanna Media Ltd., 124 Ava Road, Toronto, Ontario M6C 1W1

Telephone (416) 784-6967

Postage paid in cash at third class bulk rates — Permit No. C-50 — in Toronto.

Of Jefferys' pen and The Rebel

Two of the many letters received by Robert Stacey, author of "With pen in hand" in our last issue:

Dear Mr. Stacey:

I read about your interest in C.W. Jefferys, and am sorry that I have no information to contribute. I did want to share with you some nostalgia from my childhood.

I am hazy about the year (it was probably in the 40s) and about the topic of the book (it was probably Canadian history), but it was a book we all had in school. The writing seemed dull and remote but the illustrations were so vibrant that I assumed the artist must have been there, drawing from life. Each drawing (there were many of them) had "C.W. Jefferys" printed at the bottom. Although they were pen-and-ink line drawings, they were so finely detailed that they were almost photographic in effect. Ever since, I wished that I could draw like that.

I wish you well with your book on C.W. His pen was mightier than the word.

Alan Auerbach
Department of Psychology
Wilfrid Laurier University

Dear Mr. Stacey

As you are writing the definitive life of C.W. Jefferys, you might be glad to have the following information on *The Rebel*.

I was the originator of *The Rebel*. I named it, persuaded my friends to write for it, had it typed in my father's office, asked Sylvia Hahn (afterwards famous for her murals and the Athens Gallery in the Royal Ontario Museum) to do the title in Old English lettering, put one copy up on the notice board in the rotunda of University College and another on the notice board of the Women's Union in St. George Street, and kept the third. It was the fall of 1915. I was an undergraduate, a third-year student in English and History.

Professor S.H. Hooke came along, discovered the pages of *The Rebel* on the notice board, and said at once, "This must be together."

We got together a committee. Professor Hooke asked Dr. Barker Fairley to join. Fairley got J.E.H. MacDonald of the Group of Seven to be art director. I invited Elsie Graham, a brilliant scholarship girl in our year, who had been my collaborator from the start, and Hunley Gordon, an occasional student in English in our year, who was suggested by Dr. Fairley.

Our meetings were held in Margaret Wrong's study in the Women's Union. Margaret was a daughter of Professor Wrong, and an Oxford graduate. She was head of the Women's Union. She refused to go on the committee, but was at every meeting and was very much part of *The Rebel*.

I was always called editor. I wrote most of the editorials. Everything sent in was passed on at the meetings. One never missed a meeting. They were hilarious. We had a ball.

This lasted until 1920, when we decided to cease publication of *The Rebel* and initiated *The Canadian Forum*, which had an entirely different character.

Elisnore Haulfain, 178



To tell the truth, there was an atmosphere of rampant curiosity around the University in the final weeks of the search for a new President. The 15-member search committee, led by Marnie Palkin, chairman of the Governing Council, had been remarkably successful in keeping any news of the narrowing-down process from leaking out. Rumours were as pervasive as pipe smoke in the Faculty Club, and everywhere at lunchtime, speculation ran riot. Late in December, when the selection process was nearing completion, it was even thought noteworthy that one likely internal candidate had been observed leaving the Hart House barber shop with closely winnowed back-sides.

The Christmas break came and went and still no announcement, though the Toronto papers, quoting "well placed sources", identified half a dozen men (no women) as the likely front runners. When at last the posters went up, proclaiming an extraordinary meeting of the Governing Council to approve the committee's choice, it wasn't a moment too soon.

On January 10, the council, meeting in closed session, took little more than five minutes to agree that Professor James Milton Ham, currently dean of the School of Graduate Studies, should become the University of Toronto's 10th President. And when the announcement was made, from the four corners of the University came a collective sigh of relief and delight.

Principal Joan Foley of Scarborough College spoke for many when she called the appointment "unique", pointing to the incredible degree of respect in which Jim Ham is held by people in all areas of the University.

"He has their loyalty, trust, and affection," she declared.

The University, commented *Southern News Service* columnist Bob Cohen in the *Hamilton Spectator*, "is big. It is complex. It is delicate. Running it demands brains, integrity, sensitivity, and an ability to cast judgements that speak for themselves as sensible and right."

"Those are the qualities, evident to his University colleagues for the last 20 years, that have drawn such a remarkable degree of support for (Ham's) appointment."

James Ham is 57. He was born and attended public school in the village of Cobocok, Ont., not far from Lindsay, where his father was postmaster and ran a grocery store. "Those

A good man to know

by Pamela Cornell & Don Evans

were Depression days and times were pretty rough," recalls his close boyhood friend, William (Billy) Shields, who still lives in "Coby".

"Everybody worked hard up here. Everybody was conscientious and frugal. Money at that time was a deep concern. There were no allowances and a quarter was a lot of cash."

"We wore itchy woolen underwear in winter and went barefoot in summer. Our mothers bought bib overalls three inches too long so they could use the cuffs for patches."

"We played baseball and hockey, and at Hallowe'en we'd overturn outhouses — that was our worst prank."

In the depths of the Depression, the Ham family moved briefly to Oakville, then to Toronto, where Jim attended Oakwood and Runnymede Collegiates. When it came time to enrol at the University, Jim Ham says now, "I was of mixed mind as to what to do. I was interested in engineering, but I had an interest in literature and languages, too. I was a kind of misfit."

He enrolled in electrical engineering at UofT, a member of the small, wartime class of 4T3, and graduated with top honours. In *Torontonensis*, they ran a caption next to his photograph that read in part: "Thinks engineers make good philosophers... Hopes to travel, study music, work hard, speak Spanish, marry, and live happily ever afterwards."

"We used to have a little group we called the Philosophy Club that met in Hart House," his classmate Robert W. Naylor recalls. "We were just engineers and didn't know much about philosophy so we would just toss around ideas."

More than one of his engineering classmates was impressed with Ham's "obviously brilliant" mind.

"The professors used to put things on the blackboard that would take me a couple of weeks to figure out," says Naylor. "But Jim would ask questions right in the middle of the class that indicated he understood."

"He had an easy grasp of the material," agrees another 4T3 Skuleman, Erik Nykan. "We would often go to Jim and ask, 'What does this mean?' He would present it in a much simpler and better fashion than the professor."

Continued on page 4

Room One, Coboconk Public School, 1928 (Jim Ham is in third row from bottom, second from right): "Jim was a good student, but he never hit his potential in public school — though he did very well in checkers tournaments . . . We all played hockey and baseball and one time five of us saved up and bought hockey outfits from the Eaton's catalogue. They had blue and white stripes and we looked like jailbirds." — William Shields



Ham spent the next couple of years in the navy, then went off to the Massachusetts Institute of Technology to earn his Master and Doctor of Science degrees. "I had a wonderful time at M.I.T.," he says. "There's a humanistic commitment embedded in the technological ethos of the place."

He returned to U of T in 1953 as an associate professor of electrical engineering. In 1964, he was made head of the department and two years later, he was appointed dean of the Faculty of Applied Science & Engineering.

As a scholar, Professor Ham was an engineer with a pronounced philosophical bent. Though he was the co-author, with Professor G.R. Siemsen, of a widely-used text book, *Scientific Basis of Electrical Engineering*, and gave courses in practical aspects of his discipline, he became more and more interested in the social consequences of technology.

Recently, he informed an interviewer that, "If we are going to have the will and the nerve to go on with a technological society, we must be more articulate together."

"I'm deeply interested in the whole issue of technology and risk, and someday I'd like to write a book on the topic called *Technology and the Common Good*."

Dean Ham took a two-year sabbatical in 1974 to serve as chairman of a provincial royal commission on the health and safety of mine workers. Says an academic colleague: "When Jim was up north investigating the working conditions underground, he would meet with the company representatives and they would tell him what it was like in the mines, then he would meet with the union officials and they would tell him what it was like in the mines — then, at the end of the day, he would head for a pub to talk to the men, and that's where he found out what it was really like down in the mines."

Observes Southwestern's Bob Cohen: "Mr. Ham came back 23 months later with a report that gently, but unmistakably, called the industry, the unions, and the federal and provincial governments to account."

"The antagonists uttered no protest against the report's findings, analysis, and the 117-item blueprint for change."

"In fact, they all praised it, and in the 17 months since, the government and legislature have put its major administrative and legal prescriptions to work."

Jim Ham himself thinks the experience was useful preparation for the University presidency. "I lived for two years with a situation where the parties were in direct confrontation, and I know the President's job can involve

Graduation from electrical engineering U of T, 1943:

"Jim's a very brilliant man. My biggest trouble was he always came in about first and I always stood third and I couldn't beat him. We used to have a little group we called the Philosophy Club that met in Hart House. We were just engineers and didn't know much about philosophy so we would just toss around ideas."

— classmate
Robert W. Naylor



Main street, Coboconk, circa 1910: "Coby's not a large place. The population never got to be more than seven or eight hundred people. Years ago, there was logging and such like, lumber mills and a lime kiln. Now there's a plywood factory and for the last 25 years it's been a tourist area."

— Mrs. Eddy White





The house in Cobocnuk where he spent his formative years: "The Hams were a well-established family in the area. Their house looks the same now as then. All the houses were heated by box stoves, or comfort stoves. Everyone lived in the kitchen — the front rooms were closed off in winter except for parties. Jim's family was one of maybe four in town with indoor plumbing." — William Shields

Boyhood friend, William (Billy) Shields, in his Cobocnuk hardware store: "Jim's house was just three doors up the street from ours. In the spring, people would sit on their verandahs with the radio playing through an open window. You could walk up the street and hear 'Amos 'n Andy' on every radio and never miss any part of the program."



The building where his father had a grocery store and post office: "My grandfather was a blacksmith and my father was a postmaster in a small village. In 1929, when I was about nine, I had the privilege of being fired under the Child Labour Act. A local factory used to pay one dollar a thousand for the nets they put over six-quart veneer baskets — they farmed out the work. I still have the first buck I made."

confrontation on all sides," he says smiling broadly, "—with the rug being pulled out from under him in any direction."

The President-designate lives with his wife, Mary, in a 65-year-old house "with a leaky roof" on Glencairn Ave. in North Toronto. They have three children.

He has already suggested to Marnie Patkin that the Governing Council question the wisdom (not for the first time) of maintaining a mansion in Rosedale as the President's residence. "I know it functions effectively in a kind of ceremonial and social mode," he says, "but it's a big, expensive place. Personally, I'd be much happier to live at home."

The Hams have a cottage not too far from Cobocnuk and they get up there whenever they can, for cross-country skiing in winter and sailing in summer. "We have a 14-foot International — a very fast dinghy," Ham says. "If you ask me, the sailboat is a beautiful piece of technology."

After the appointment was announced, *The Financial Post* pointed out to its readers that Ham "will be taking over the 151-year-old University at a time when enrolments are dropping, growth is limited, costs are increasing dramatically, finances are strained, and the University's role and functions are again being questioned."

What is he going to do about that?

Well, says James M. Ham, "I would like to separate the issue of the basic operations of the place from the continuing, perennial questions of: Who are we? and What direction should we follow? — the questions of substance and conviction, and the issues of academic purpose."

The University should shift its attention to a good, hard, critical analysis of what academic study is. "Ours is the one institution in society that can be characterized as having the will to know. It is basically and fundamentally concerned with the human condition and with coming to comprehend it intellectually (though we have no monopoly on that)."

Furthermore, he says, the University's primary function is not to train students for careers, but to help them develop a critical approach to understanding the human situation.

With the province-wide prospect of fiscal restraint and declining enrolments, Ham predicts the University "will be held under close rein in terms of public support."

"Who knows how hard things will get? Whatever happens, though, this institution has a responsibility to live within its means."

In November, noted *Carla Oreskovich* in *The Financial Post*, "engineering students put a car in President Evans' office as a practical joke. It was the only comic relief in an institution which seems to be taking itself too seriously."

"In a day and age when many educators are uneasy because the student body seems to be much too sedate, much too studious and serious, what will be the result of putting an engineer, one of their own, right into the driver's seat?"

The University has never had an engineer as President before, so we will just have to wait and see, but if Jim Ham is right, "The next five years are going to be tough years, but at the same time they're going to be years of virtue."

Mary and Jim Ham



Returning to school
as a grown-up is
intellectually
stimulating, but it has
its problems

by Don Evans

Lost in a sea of youth

The Newman Centre on the south-east corner of St. George Street and Hoskin Avenue is a miniature, Victorian version in sooty red brick of the modern, concrete-and-glass library tower across the street. Inside on the first floor is a series of large, high-ceilinged rooms with comfortable, upholstered furniture that has not been new for a very long time.

One weekday last November, on the edge of an easy chair in a corner of one of those rooms, a wise old professor led a colloquium for undergraduates based on the topic "The University of the Future". He complained of the breaking down of the college system — the victim, he said, of "mindless centralism" — and bemoaned what he termed "the steady erosion of the undergraduate community". In contrast, he related that in his own year at Victoria College, 19 couples had married: "Thirty-eight little hearts bealing as one — some indication that they had something in common."

The professor, Northrop Frye, has a formidable reputation as a scholar and it is the usual thing for students to become mute in his presence. He has been heard to lament that in his graduate seminar, of 25 students, only two talk. "The rest never open their traps." At this colloquium, though, many among the several dozen participants overcame their awe of him to ask why the University is like it is, and in particular to comment from their own experience on the unsatisfactory relationship that sometimes prevails between professors and undergraduates.

These students were not standard issue — far from it. They were all 25 years old and over, members of the Association of Undergraduate Full-time Adult Students, UFAS for short. Most were in their mid-to-late 20s or early 30s. A few others appeared well-and-safely into middle age. Like the people in Professor Frye's graduating class, many were married, though not to each other.

Though there are estimated to be about 3,000 adult undergraduates enrolled full-time at U of T, UFAS is the first association of its kind on campus and only came into existence two years ago. (It should not be confused with the Association for Part-Time University Students, many of whose members are also adults.)

The colloquium at the Newman Centre had been organized as part of a fall program that included a walking tour of the downtown campus, directions on how to use the "Sig Sam" library, clinics for writing papers and essays, a couple of two-hour sessions devoted to "coping strategies", some parties for getting acquainted, and a lecture entitled "Is the University Structured for Adult Students?" by Professor John Kirkness, who sits on a University committee concerned with helping professors become better teachers.

Northrop Frye had been invited to take part in the colloquium partially because of his response in January 1976 to a research paper, *The Adult Learner in the University: Does Anybody Care?* by Jean M. Skelhorne.

"It has certainly been a major preoccupation of mine for some time," Frye wrote to Skelhorne, "that the whole notion of regarding university as primarily advanced training for high school graduates was socially out of date, and that the university would never attain its proper social function until it did undertake the retraining of adults on an equally large scale. What with all the budget freezes, to say nothing of the general mental refrigeration of the academic mind, I am not surprised to find that 'nobody cares,' much as I should prefer to find that the opposite was true. I hope very much that you will be able to make some kind of engram in the administrative consciousness."

There is not much information about full-time adult students at the University of Toronto (even the enrolment figure of 3,000 is an educated guess on the part of Student Record Services), nor has anything much ever been done to help mature students adjust to University life. In fact, until 1975 when Jean Skelhorne's paper was published, nothing had been written about the special difficulties adult students face, though the study supports what any UFAS member will tell you, namely that the University in many respects is an abnormal environment for grown-ups.

Jean Skelhorne was in her 40s, a housewife and mother, when she was accepted by the Faculty of Arts & Science as a mature student on probation for the first year. In her paper, researched and written when she was a graduate student at OISE, she records some of her feelings during the first term, especially: "the sheer joy of being in an intellectual environment; the challenge of so much to learn and so much time lost; the anxiety, due to age, about academic competence; the fear to participate, to express opinions or reactions; the uncertainty of (my) reception by regular students and professors"; and the surprise at finding a self-identity she did not realize she had lost.

During her first year, she writes, she was haunted by the belief that she was impaired as a learner because of her age. This belief was reinforced one February day when she was made to search, "like a dog looking for a bone", through a pile of essays stacked outside a professor's office door, "somewhere in a hallway in University College", only to find penned in bold blue ink on the cover page of her own essay: "60, C—. A VERY DISAPPOINTING PERFORMANCE. . . I think you have completely misunderstood the purpose of these papers. . ."

On and on went the condemnation "for all passers-by to see" and not one word on how to improve it or an invitation to discuss with the professor what he wanted. Nor was there anyone she knew at the University with whom she could share her despair and bewilderment.

"Going back to school can be a tremendous shock. There are a lot of adjustments to be made," says the president of UFAS, Larry Hawn, who along with Jean Skelhorne and Charity Grant at the Women's Union, was instrumental in getting the association started and finding



it a home. The UFAS refuge is a basement room, not very large, in the cloister wing at the northwest end of University College. At most daylight hours when classes are in session, as many as a dozen mature students will be there, drinking coffee and providing for each other what the sociologists call "peer support". There is no raucous music to contend with, and the furniture, like the Newman Centre's, looks as if long ago it was discarded from somebody's living room.

Most older students "value immensely their relationships with younger students", according to a summary of UFAS objectives, and may even serve as counsellors on an informal basis, because as parents of high school or college-age students themselves, they "know the problems these students can face". Nevertheless, particularly in the first year the adult is back in the classroom, it is an unsettling experience to have 19-year-olds as one's only peers. Says Larry Hawn: "I felt lost in a sea of youth."

Hawn, now 30, returned to school at 29. As a high school student in Cornwall he had not been too successful. "I got Grade 13 by the skin of my teeth," he says. After working for six years for the Bank of Commerce as a systems researcher and classroom teacher, he resigned and for the next two years travelled around the world. Back in Canada, he got a job with the Children's Aid in their computer-payroll department and married Marlies Burkhard, now a senior programmer-analyst with the University's business information systems office. He is enrolled in arts and science, as are the majority of UFAS members (though there are representatives of all the other faculties), and he is contemplating a master's degree in social work.

With his wife working, Hawn is not as financially pressed as some of his UFAS friends, but marriage for a mature undergraduate does have its problems. "Marlies is in a primarily male-dominated profession," he says, "where there are stereotyped perceptions of male-female roles. So she gets comments like: 'Your husband's not working and you're supporting him. That's awfully kind of you!'"

"Then there's the problem that the student role is so intense. You're presented with a wealth of material, and a lot

of it can't be discussed with your partner, who has intellectual needs of her own. So you tend to develop a system whereby you pick and choose what you're going to talk about."

Still, better a reasonable amount of domestic stress than the plight of the single parent who, in addition to all of the other anxieties that attach to adult studenthood, has to worry about finding an adequate day-care centre and has no recourse but to try to meet essay deadlines after the younger children have been put to bed.

At university, being older is both an advantage and a handicap. "The biggest advantage," laughs one UFAS member, "is that you're not a crazy 19-year-old. I tried university at that age and lasted three weeks."

"You really have a commitment to coming here and learning how the world works," says someone else. "It takes more than the normal knocks to persuade you to drop out. Of course, belonging to UFAS helps a lot — Ed, here, saved my bacon in the phil. course."

Because he carries his life experience with him, the adult student tends to get more out of his courses. "When you study ethics, for example, you have something definite to relate it to," a UFAS member says.

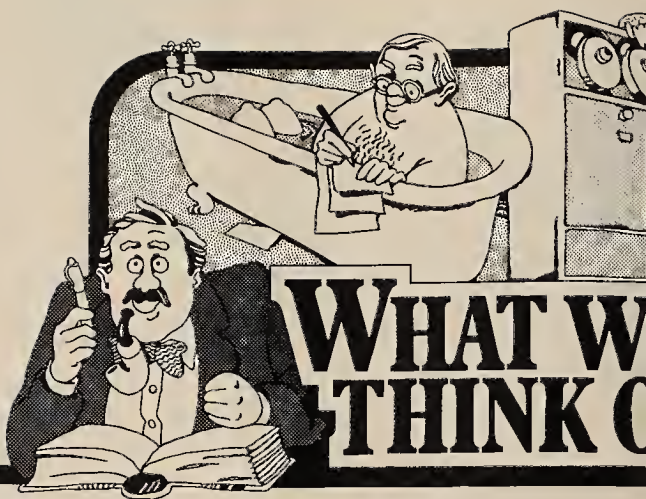
On the other hand, the highly structured environment of the typical classroom and the patronizing attitude of some professors comes as a shock to almost every mature student. "It's much less free-wheeling than I expected it to be," comments Larry Hawn, "and the students are extremely competitive."

Then there is the disadvantage that, though the student role is typically one of relative poverty, the adult student "knows what it's like to have money" and may very well have a mortgage to pay. "It's amazing how quickly you learn to let your friends buy you lunch," one former big spender confesses with a grin.

All in all, though, the return to the University usually turns out to have been a good idea; and now with the UFAS peer support system solidly in place, the U of T of the future promises to be a lot more congenial for grown-ups. At last somebody cares.



Larry Hawn, president of UFAS



More efficient furnaces and exercise programs for old people are two of the practical ideas that U of T researchers have come up with lately. What they will think of next is anybody's guess.

1. exercises for the elderly

"The world doesn't expect old people to do anything, so they don't. They tend to do a lot of sitting, watching television, worrying about family problems, and being bored," laments Professor Mavis E. Berridge, School of Physical & Health Education, who is studying the effectiveness of activity programs for the aged.

Prof. Berridge began work on an exercise program for the elderly two years ago, with funds from the Canadian Geriatric Research Society and the assistance of four phys. ed. students.

At Castleview Wychwood Towers, an institution for the aged in Toronto, people ranging in age from 65 to 104 were given tests that measured the flexibility of their joints. Other tests determined their attitude towards physical activity. "When we started the testing, the residents thought we were a bit mad, but they were glad to do it — glad to have the attention," says Berridge.

Then, three times a week, for a 10-week period, participants did 30 minutes of light exercise to improve their flexibility. Many suffered from afflictions that confined them to wheelchairs, and the exercises were designed to be carried out while seated.

"Those who attended more than 14 classes improved their flexibility," Prof. Berridge says. "Before our program, there had been no organized exercise at Wychwood. Hospital workers began to notice that residents who took part in the program began to be more independent, feeding and caring for themselves."

Subsequently, the same attitudinal tests and exercise programs were administered at another Toronto home for the aged and the results are expected to be the same.

"We have found," Berridge says, "that physical education programs can aid the elderly in many ways — to improve their bodily functions, general health and well-being, and to help them socialize and better the quality of their lives."

2. space plastics

An experiment designed at the Institute for Aerospace Studies will put U of T in orbit — in 1980, aboard the U.S. National Aeronautics and Space Administration's space shuttle Enterprise.

The experiment will answer questions about the effects of the hostile space environment on the man-made composite materials used for spacecraft structures — including some highly specialized plastics — says Professor R.C. Tennyson who, together with Professor J.S. Hansen, designed the experiment.

About 20 structural shapes, ranging from tubes to flat plates and made from a variety of materials, will be mounted on a module carried aloft in the space shuttle's cargo hold. The module will be placed in a 300-mile orbit, then recovered and brought back to earth by the Enterprise six to nine months later.

During the module's stay in orbit, the structural shapes will be exposed to solar radiation, temperature extremes, and the vacuum of space.

"The space shuttle will make it possible for the first time to retrieve hardware after it has been subjected to prolonged exposure in space," says Tennyson.

The orbiter's flight will also enable scientists at the institute to evaluate their space simulation system, in which the conditions of outer space are artificially created to test spacecraft materials.

"We want to find out how close our simulated environment is to the real thing," says Tennyson. "This will be our first opportunity to get a direct comparison."

The experiment is the only Canadian project to have been accepted by NASA.

3. ancient Arctic plants

Specimens of plants that grow to a tremendous age and are almost completely self-supporting have been found in the Canadian Arctic by an Erindale College botany professor.

Josef Svoboda, an ecologist who has been studying the growth patterns of Arctic plants since 1970, says one plant, *Dryas integrifolia* (mountain avens), can live up to 1,000 years. Using special techniques for measuring the rate of growth and the diameter of the plant, he has estimated one specimen to be 814 years old, plus or minus 155 years.

In studying the plant's adaptive mechanism, Prof. Svoboda also found it needed very little external support.

The mountain avens resembles a tiny, trunkless tree, about the size of a bread loaf. Every year it produces a few leaves on the outer end of each shoot, though in the process it grows only a few millimeters in total diameter. The leaves replaced by new growth do not fall off, but gradually, over the decades, change colour as they return nutrients to the plant, ending as blackened skeletons on the shoot.

The plant draws additional nutrients — minerals and other elements — from sand and dust particles that are deposited on its surface by the wind and are relocated to the core for utilization.

Svoboda's field work, conducted in the Canadian Arctic archipelago and the Keewatin district, is aimed at measuring the quantity of plants in the Arctic compared with other areas, identifying species, determining how many reproduce themselves in the course of a year, and discovering how they adapt to the harsh environment.

Results so far show that Arctic plants are slow growing, smaller than those in the south, and require very little support from the environment.

Still, they haven't adapted as well as one might think, Prof. Svoboda says. Though they can tolerate the Arctic better than other plants might, they would fare better themselves if they were 10 degrees further south.

4. surgery for alcoholics

Since 1948, a drug called disulfiram, popularly known as "antabuse", has been prescribed in pill form as an antidote to alcoholism. It succeeds by causing the alcoholic to feel sick if he has a drink.

The trouble has been that a few patients, when left to their own devices, have not had sufficient will-power to persist in taking the pills.

One solution, now in use at the Sunnybrook Medical Centre, a teaching hospital affiliated with U of T, is to implant the drug surgically in the abdomen of the hard-to-treat alcoholic.

About 200 patients are taking part in the program and for 60 per cent of them the new regimen is working better than anything they had tried before, says Dr. Edward Kingstone, recently appointed vice-provost for health sciences at the University, and formerly head of the centre's Department of Psychiatry.

The Sunnybrook program has been underway for four years and during that time some patients have been back for as many as eight implants — a procedure that can be repeated every four to six months.

For the small population who have failed to respond to other methods of treatment, says Dr. Kingstone, the disulfiram implant procedure appears to be fairly successful.

Still, he concedes, "it's the right method, but not as yet the ideal drug".



5. a new constitution

"An arrangement satisfactory to the entire country — one that would shed federal authority and disperse it among the provinces," is what Professor Alfred Abel of the Faculty of Law would like to achieve with the new Canadian constitution he is developing.

Using the European Common Market as his model, the expert in constitutional law points out that the federal government could be to the provinces what the market is to England and France and the seven other partners. This would make it possible to enhance the powers of the provinces and better meet their individual needs.

Some ministries, including foreign affairs, would remain under federal control.

Prof. Abel sees the discontent of French Canada as only one aspect of the current widespread disenchantment with centralized power. "The Maritimes are distressed about their economy, and Manitoba, Alberta, and British Columbia are unhappy with their own problems."

What is needed, he says, is not just a patchwork revamping of the old constitution, but "a competition of ideas" that will result in a new one.

So far, Abel has produced several chapters for a book he is writing on the subject — his own entry in the competition.

6. efficient furnaces

Homeowners are missing out on a 15 to 25 percent saving on their heating fuel bills, says Donald Dewees, a professor of political economy.

According to Dewees, oil and gas furnaces in North American homes, including those of the latest design, waste a substantial portion of the fuel they burn, "though improving the efficiency of furnaces is not only technically feasible, but also economically attractive."

Widespread furnace inefficiency can only be explained by what economists call market failure, says Professor Dewees. "The average consumer has no way of telling an efficient furnace from an inefficient one, and as a result there is no incentive for manufacturers to market improved products."

Dewees claims there are methods of improving furnace efficiency by as much as 25 percent that are so cheap they would pay for themselves in a few years. Yet, there has been no attempt on the part of the industry to market any fuel-saving devices, nor has there been any great demand for them from the homeowner.

Part of the problem is that there are no adequate performance tests for home heating furnaces. Currently accepted efficiency tests don't tell the full story, but overestimate actual in-use efficiency by as much as 30 percent.

In a report recently published by U of T's Institute for Policy Analysis, Dewees pleads for the adoption of a realistic standard efficiency test, the results of which should be displayed on each furnace by the manufacturer, just as the automotive industry is now required to reveal gas mileage data. "That way, buyers can compare one furnace with another, and improved efficiency would become a competitive factor," he says.

Dewees also calls for more informative fuel bills that would give the homeowner a measure of his fuel consumption, adjusted for weather variations. "A simple calculation of average BTUs per degree day will quickly tell the householder whether his energy conservation measure actually works, be it an adjustment to the furnace or extra insulation in the attic."

"Today the average homeowner just doesn't have that kind of information."

7. a musical computer

"This system is very much in a development stage," says Bill Buxton, amid the incessant hum, whirr, buzz, and rumble of the Burton Wing computer centre. "One of the main things will be to get out of this noisy environment."

At 29, Buxton is at once a recognized composer of music and a graduate student in the computer science department. Currently, he is co-ordinating an 18-month research scheme known as the structured sound synthesis project. Made possible by a \$40,000 Canada Council grant,

the venture is aimed at proving that complex technology can be used for creative purposes by "computer-naïve" people, including composers.

Whereas conventional music synthesizers of the type used by pop-rock groups involve "manipulating masses of knobs and dials," says Buxton, the project's synthesizer is computer-controlled, making it possible to relay instructions instantly and to produce unusually complicated sequences of "sonic events".

The system set up in the computer centre includes a computer (PDP 11/45), synthesizer, keyboard and display terminal, graphics tablet, fader box, speakers, and headphones.

By using both keyboard and graphics tablet to issue commands, a composer can design a score, which then appears on the display terminal. Instructions can be set out in conventional music notation (staves, clefs, time signatures, bar lines, notes, rests, and so forth), or on a grid, with an abstract outline drawn on it to define frequency, amplitude, density, and timbre.

Buxton himself has had several compositions a year performed on CBC radio and he is excited at the prospect that the system will offer insight into the cognitive processes of composers.

"The teaching of music composition has focused on analysing diverse styles of the past and establishing thou-shalt-not rules. Students examine scores, but a score is just a by-product. Our computer will be able to keep track of what a composer actually does in the course of creating music."

Gustav Ciamaga, acting dean of the Faculty of Music, is responsible for the musical integrity of the research program. Technical expertise is provided by Professors Leslie Mezei and Ron Baecker of the computer science department, and by Professor K.C. Smith, chairman of electrical engineering.

Buxton says Prof. Smith is applying for a National Research Council grant "so an autonomous machine can be set up in a more congenial atmosphere" than the computer centre — probably in the former Metro Central Library building on College Street.

8. putty for our gums

It's not tooth decay but progressive gum infection, known to dentists as periodontal disease, that is the chief cause of tooth loss among adults.

To correct tissue and bone loss caused by periodontal disease, surgery is frequently necessary, and a new dressing material for use after periodontal surgery is being developed by Dr. F.H. Compton of the Faculty of Dentistry, with the help of two colleagues, Dr. G.S. Beagrie and Dr. D.C. Smith.

Dressing materials now in use provide protection from injury, but fail to prevent the formation of bacterial film between the dressing and the healing gums. The putty-like substance being refined by Smith and his colleagues would do both.

The new substance, based on a zinc polycarboxylate formula developed by Dr. Smith, will incorporate such antibacterial agents as chlorhexidine (found in commercial throat lozenges), benzethonium chloride (found in a commercial mouthwash), and 8-hydroxyquinoline. These agents would be time-released in minute quantities over a two-week post-operative period.

Once a suitable material has been developed, it will be tested on laboratory animals, probably mice because of their convenient size and speed of reaction. Testing will then be carried out on about 25 human volunteers to make certain there are no undesirable side effects, such as gum irritation or discoloration of the teeth.

If the dressing passes these tests and meets federal health and welfare department standards, the formula will be released to manufacturers for large scale production.

The project has been in progress since September 1976 and should be completed by June. Ontario Ministry of Health grants totalling \$52,711 have been awarded to the three researchers over the past two years to develop this and other clinical materials.

How many people will benefit from an antibacterial periodontal dressing? Dr. Stanley Rose, president of the Ontario Periodontal Society, says he performed about 600 operations in 1977 and he's just one of an estimated 60 periodontists in the province.

Facts & Faces



Sir John Cunningham McLennan at his investiture in 1935

Knighted alumnus commemorated with plaque

A historic plaque commemorating one of the University's most widely acclaimed alumni, Sir John Cunningham McLennan, was unveiled last fall by the Ontario Heritage Foundation behind the former McLennan family home in Stratford, Ontario.

McLennan enrolled in the honours physics and mathematics program at U of T in 1889, and upon graduation three years later he began his 40-year-long career at the University. He developed the Department of Physics into a first-rate teaching and research unit, and in 1900, the year he received his PhD from the University, he became the first secretary of the alumni association.

The inscription on the plaque concludes: "His work in England on the magnetic detection of submarines and the use of radium in the treatment of cancer, his explanation of the yellow-green light in the spectrum of the aurora borealis, and his success in liquefying helium contributed to his worldwide reputation. He was knighted in 1935."

Change your ways, council is told

U of T's Governing Council, unique among university governing bodies in North America, had been in business for five years when last spring it commissioned Dr. John B. Macdonald to conduct an independent review of its effectiveness.

New head of the Addison Research Foundation, Macdonald had previously been chairman of the Council of Ontario Universities, and before that president of the University of British Columbia.

His 117-page report, made public in January, has received the enthusiastic support of the U of T faculty association by seeking to remedy the "deep dissatisfaction with what many regard as a new and uncaring system of university government in which the faculty finds itself a minority on all the upper levels because it is now considered as only one of four estates".

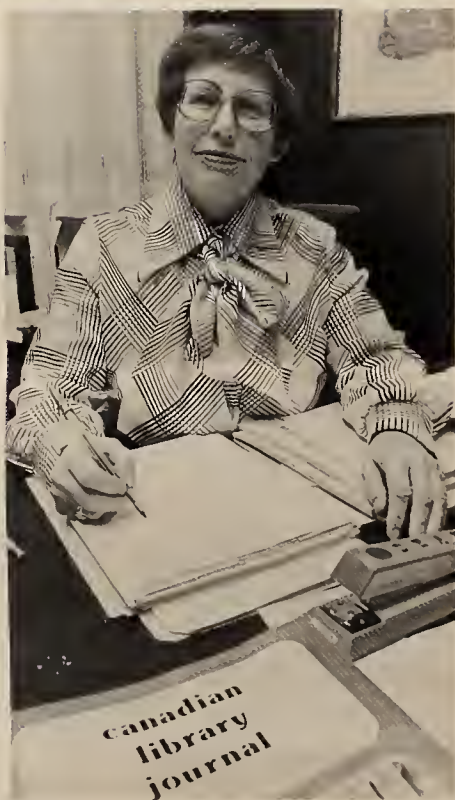
The report's key recommendations are: that the council should switch from an active to a "reactive" role; that the various academic divisions of the University should have more control of their own affairs; that the committee presently concerned with academic affairs should be merged with the committee responsible for decisions on budgeting and operating priorities; that the 61 members of the consolidated committee should include representatives of all University estates, but with professors and academic administrators in the majority; that the Internal and External Affairs Committees should be combined, and that the Governing

Council should act only on matters of broad University policy and only on the advice of the President.

The present tendency for the council to become involved in relatively minor issues, as well as in the problems of implementation and administration, has resulted in an unrealistic workload for the council and its committees, as well as in duplication of discussion, excessive paperwork, and unnecessary delays, the report says.

Instead of itself developing directives for the University, the council should simply assess "the merit, wisdom, and feasibility of proposals brought before it," writes Macdonald. "Action by the Governing Council and its committees (should) be limited to approval, rejection, or referral of proposals brought to them for action."

One body that has expressed reservations about several of Macdonald's recommendations is the alumni association's University Government Committee. The amalgamation of the Internal and External Affairs Committees, it says, "would only result, in our opinion, in those views of the community at large, or those emanating from outside the University, being subjected to modifications without the exposure that the current structure permits. This appears to condone the neglect of its relationship with the 'outside world' of which the University has been accused in recent years."



Dean of library science, Frances Halpenny

Long service award list lengthens

Last June, with Sesquicentennial year in full swing, the *Graduate* listed the names of 172 employees, academic and non-academic, past and present, whose service to the University over a period of 25 years or more had been recognized by Sesquicentennial Long Service Honour Awards.

Since then, 272 additional awards have been bestowed and among the recipients is Frances Halpenny, dean of the Faculty of Library Science, who has been with U of T for 37 years.

Dean Halpenny's citation reads, in part: "First as managing editor of the University of Toronto Press from 1965 to 1969, and then as general editor of the Dictionary of Canadian Biography from 1969 to the present, she has brought to her alma mater the type of honour and scholarly recognition which must be the hallmark of any major university."

Halpenny will become associate director academic of the Press (a part-time appointment) on Jan. 1, 1979.

\$130,000 boosts Ukrainian studies publishing program

A project of vital importance to Ukrainian studies in Canada is being carried out at U of T's Department of Slavic Languages & Literatures by Professor George Luckiy, with the help of a cheque for \$130,000 from the Canadian Institute of Ukrainian Studies Foundation. More than half the amount came from a Wintario grant.

The project's aim is to prepare and publish a series of textbooks and reference works in English and Ukrainian for use in university courses.

Over 100 undergraduates are studying Ukrainian language and literature at U of T and at York University, and it is estimated that another 500 students are enrolled in Ukrainian courses across Canada, primarily in Ontario, Alberta, Manitoba, and Saskatchewan, the provinces where most of the 600,000 Canadians of Ukrainian descent have settled.

Hall's dozen students are enrolled in the PhD program in Ukrainian literature at U of T.

So far, two texts in Ukrainian literary and intellectual history, two language texts, and an anthology of lyric poetry have been produced and several other books are in preparation.

Hundreds of scholars from all over the world are contributing to a Ukrainian encyclopedia in English, a major work that is being published over a period of years. More funds will be needed in order that the encyclopedia, the first two volumes of which were published by U of T Press in 1963 and 1971, can be completed.

Grade 13 French for U of T entrance still a moot point

Senior academic administrators at the University do not support Grade 13 French as an admission requirement for Ontario students, contrary to a recommendation by the University's Task Force on Canadian Studies.

The task force, which completed its work last September, proposed that French be made a prerequisite for all candidates seeking admission to the Faculty of Arts & Science.

Following a review of the task force report, the University last fall conducted a survey of Ontario secondary school educators about the French language proposal. Fifty-two percent of those polled disapproved of the language requirement, 39 percent favoured it, and nine percent were neutral.

In view of these results, the University administration concluded that it seemed unlikely "the University would serve its constituencies effectively by imposing a compulsory requirement in French... either as an entrance or exit requirement." However, it recommended facilitating existing French language instruction and encouraging the widest possible development of French proficiency among the student body.

"Oh my gosh!" exclaimed the computer

Computers may never replace teachers in the classroom, but Professor Jacques Deckers, in the Department of Chemistry at Erindale College, maintains that computer assisted teaching is a novel way to give every student in a large group the individual attention he needs.

"With perhaps 300 students in a lecture, how much time can a teacher spend with each one of them? The computer, however, is a patient beast," says Prof. Deckers.

For the past five years, Deckers and senior tutor Judy Poeh have used computers in their problem solving tutorials for first and second year Erindale chemistry students.

The student, seated at an interactive terminal connected to the computer, is given a problem to solve, immediately or at his leisure, whichever he chooses. When he has prepared his answer, the student feeds it into the computer and a print-out provides instant analysis.

The computer reveals if the answer

is right or wrong (an incorrect answer can be greeted by 20 different responses, including "Are you sure?" and "Oh my gosh!") and, depending on the sophistication of the program, the computer can in most cases respond to an incorrect answer by explaining exactly where the student went wrong.

The computer is an excellent task master, Deckers says.

"If a student fails to solve a problem, the computer won't let him loose. It insists that he digest information on the spot and forces him to think. In a lecture or tutorial, it's easy for a student to become discouraged and daydream."

Student opinion on the computer is about evenly divided, says Prof. Deckers.

"Half of them like it and the other half are turned off. Those who enjoy working with the computer like the immediacy of the answer and the others just don't like computers."

Who is that flagman on Philosopher's Walk?

The Royal Ontario Museum, which until 1968 was legally part of the University, has embarked on an ambitious expansion plan that will double the existing floor space by "infilling" the courtyards at the south and north ends of the present structure.

The first phase of construction, which will result in the south courtyard's being replaced by a six-storey "curatorial centre" (some of it underground), won't be completed until July 1980, and some of the ROM's University neighbours aren't exactly delighted at the prospect of two years of dust and hubbub.

"I can't say they won't experience noise and inconvenience," comments U of T's director of Physical Plant, William Lye, "but most of their worries just amount to fear of the unknown."

Because the University provides steam, chilled water, electricity, and telephone service to the museum, and since U of T property is adjacent to the museum's south and west sides, expansion plans have been made in close co-operation with the mother institution.

Of necessity, the access route to the ROM's south courtyard site cuts across Philosopher's Walk, but after some negotiation, a route was mapped out that should cause the least amount of disruption to the University. The approach is from Devonshire Place, and construction traffic will travel through the Trinity College parking lot just south of Varsity Stadium, down an embankment, and across Philosopher's Walk to the site. Baffles will be erected to shield Trinity from noise and debris.

The museum will have a flagman on Philosopher's Walk at all times when construction is in progress, to ensure public safety. "President John Evans informed the January meeting of the Governing Council."

"Students may apply, though they should know that I have already made application for the job," allowed Dr. Evans, who is stepping down from the presidency on June 30.



New ROM chairman Sydney Hermant

After 30 years of voluntary service Hermant moves on

On the last day of 1977, Sydney Hermant resigned as vice-chairman of U of T's Governing Council to become chairman of the board of trustees of the Royal Ontario Museum — with some reluctance. "The University of Toronto has been a part of my life," he explained in an interview.

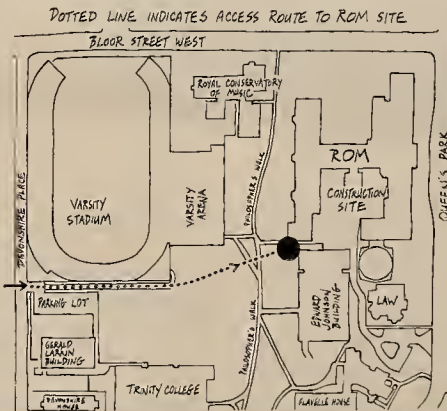
If anyone can claim strong ties to the University, it is Hermant. Since graduating in 1935 from University College with an honour BA in law, the president of Imperial Optical Co. Ltd. has given over 30 years of voluntary service to U of T.

The chronicle is distinguished: president, Students' Administrative Council, 1935, member Senate, 1945 to 1962; president, University College Alumni Association, 1946; member, Board of Governors, 1962 to 1972; provincial government appointee, Governing Council, 1972 to 1977.

"I may have graduated in 1935, but I guess I never left," he said.

Although officially severing ties with the University, Hermant intends to keep active in U of T life.

"The most difficult thing for me to do was to remove my U of T parking sticker," he said with a smile. "I'm going to Hart House soon — I hope the man at the gate recognizes me."



In & Around

Conferences & Lectures

The Hamilton and Scourge, Armed Schourds of the War of 1812.
Wednesday, April 5.
D.A. Nelson, Royal Ontario Museum.
Lecture room, McLaughlin Planetarium.
4.30 p.m.

Nature & The Environment.

Saturday, April 8,
"The Trees and Shrubs of Ontario"
Saturday, April 22,
"Woodlot Soils".

Saturday, May 13,
"Woodlot Ecology".

Each course from 9 a.m. to 4.30 p.m.
Fee \$30. Information and registration:
School of Continuing Studies, 158 St.
George St., University of Toronto,
Toronto M5S 1A1, telephone 978-2400.

**Everything You Ever Wanted to Know
about Pop Culture and Were Afraid to
Ask, 14th annual University College
Alumni Symposium.**

Friday, April 14
Workshops, 5.30 to 7 p.m. at University
College.

Plenary session, special guest speaker
Tom Wolfe, New York author and lecturer.
Convocation Hall, 8 p.m. Reception
following plenary session in West Hall, U.C.
Registration fee \$5; box supper \$5. Further
information and tickets: telephone
978-8601, or write "Symposium", Alumni
Office, University College, University of
Toronto, Toronto M5S 1A1.

School of Continuing Studies.

Saturday, April 15,
"A World's Fair of Religions." Symposium
from 9 a.m. to 5 p.m. Fee \$15.
Friday, April 21 and Saturday 22,
"Who Succeeds in Schools?" Conference
designed to permit participants from all
areas to discuss education and their
concerns about it. Keynote speaker,
Walter Pitman, president of Ryerson
Polytechnical Institute. Fee \$60. Maximum
enrolment set.

Saturday, April 22,
"The Cultural Institution in Education."
Role and use of the art gallery, museum
and library in education today. 8.45 a.m. to
5.30 p.m. Fee \$30.

Friday, May 5 and Saturday 6,
"How to Run a Productive Meeting."
Areas to be discussed include setting an
agenda, communications, problem-solving,
and implementation of decisions. Fee \$100.
Maximum enrolment set.

Friday, June 2 to Sunday 4, and Sunday,
July 9 to Friday 14,
"Freshwater Biology-Limnology." Environ-
mental studies program for teachers.
Course of lectures and field trips will
be given at Baie du Dore Study Centre of
the Institute for Environmental Studies.
Tuition fee \$150.

Information and registration material for
all courses: School of Continuing Studies,
158 St. George St., University of Toronto,
Toronto M5S 1A1, telephone 978-2400.

Library Science Courses.

Friday, April 21 and Saturday 22,
"Library Science Research for Library
Administrators", course designed for chief
librarians and deputies.

"Reading Needs of Canada's Young
Adults", workshop for secondary school
librarians, public librarians in young
adult services, and publishers of books
for young adults.

Friday, April 28 and Saturday 29,
"Canada: Fact and Fiction for Children",

workshop for librarians in elementary
schools and public libraries, also of
interest to elementary school teachers
and principals.

Saturday, April 29,
"The Future of Information Systems
and Services", program on impact of
technological advances on library systems.
Enrolment limited.

Friday, May 12 and Saturday 13,
"Organizing Library Materials: Current
Problems and Solutions", workshop for
librarians in high schools and small public
libraries. Enrolment limited.

Friday, May 19 and Saturday 20,
"Problems in Library Supervision",
workshop for library supervisors.
repetition of one held in April 1977.

Social Work Courses.

Monday, June 5 to Friday 9.
Enrolment is restricted to persons holding
a BSW or MSW degree or equivalent.
Lectures are given each day, morning
or afternoon, for 11 courses:

Community practice;
Methods of family therapy;
Collectivities and groups: Their therapeu-
tic capability and use in social work;
Social policy in Canada;

Changing trends in social work supervision;
Social work in business and industry;
Workshop on mutual helping;

Human sexuality and social work practice;
Emerging trends in practice with individuals,
families and groups;
Supervision and staff development in social
work practice (advanced);
Multiculturalism and social work.

For more information on the library science
and social work courses, including
registration fees and applications:
School of Continuing Studies, 158 St.
George St., University of Toronto,
Toronto M5S 1A1, telephone 978-2400.

**Biological Treatment of Industrial
Effluents, Process Design and
Operation,** course sponsored jointly by
Environmental Engineering Program and
Vanderbilt University at Hart House.

Monday, April 24 to Wednesday 26.

Course designed for industrial and process
engineers, or senior staff, with environ-
mental responsibilities in industries they
serve. Faculty includes Prof. W.W.
Eckendler, Environmental Engineering,
Vanderbilt University; Profs. G.W.R.
Heinke, Glynn Henry and Jerzy
Ganczarczyk, Department of Civil Engi-
neering, U of T. Registration fee \$250.

Tentative arrangements, final details and
information: Prof. J. Ganczarczyk,
Department of Civil Engineering,

University of Toronto, Toronto M5S 1A1,
telephone 978-3141.

Evaluative Techniques for Health

Administrators, joint conference
sponsored by Society of Graduates in
Health Administration and Department
of Health Administration.

Friday, May 5.

Information about the conference and
confirmation of date and place: Grace
Batchelor, Division of Community Health,
124 Fitz Gerald Building, University of
Toronto, Toronto M5S 1A1, telephone
978-2748.

General Thoracic Surgery.

Thursday, June 8 and Friday 9.

Continuing medical education course,
accredited American College of Chest
Physicians/American Medical Association.
Course registrants asked to bring interesting
cases, x-rays, etc. for general informal
discussion. Registration fee \$150; out of
town postgraduate students \$75; U of T
residents, recommended by letter from chief
of service, no fee. Registration deadline

June 1.

Information and program: Continuing
Medical Education, Faculty of Medicine,
University of Toronto, Toronto M5S 1A1,
telephone 978-2718.

Early Music Workshop.

Friday, July 2 to Friday 14.

Scarborough College. Applications may be
obtained from Prof. Timothy McGee,
Scarborough College, University of
Toronto, 1265 Military Trail, West Hill
M1C 1A4, telephone 284-3126.

Sports

There will be a summer athletic program
in May, June, July and August for students,
staff, alumni and their families. Instruction
in various athletic activities will be offered;
recreational swimming will also be
available.

Information and membership rates:
Department of Athletics & Recreation,
230 Benson Building, University of
Toronto, Toronto M5S 1A1; telephone
978-3437.

Exhibitions

Scarborough College Gallery.

April 3 to 14,

Sal Amato of the Fine Art Department,
Scarborough College.

April 17 to 28,

Student art show.

Hart House Gallery.

April 4 to 21,

Dieter Hastenpfeiffer, steel or ceramic
sculpture and prints.

April 25 to May 5,

Luigi Bellini, oil paintings depicting
scenes of Toronto, past and present.

May 10 to June 4,

Baltic Art, juried exhibition to coincide
with 10th anniversary conference of the
Association for Advancement of Baltic
Studies being held at U of T.

**Canadian Paintings in the University
of Toronto.**

Organized in celebration of the Sesqui-
centennial, a selection of Canadian works
from the period 1915-48 chosen from
collections at Hart House, University
College, and Victoria College, including
several rarely seen works by the Group of
Seven. The exhibition is being circulated
by the extension services of the Art Gallery
of Ontario and will be on view:

April 5 to 30,

Robert McLaughlin Art Gallery, Oshawa.

May 5 to 28,

Agnes Etherington Art Centre, Kingston.

July 7 to 30,

Thunder Bay National Exhibition Centre,
Thunder Bay.

Erindale College Art Gallery.

April 6 to 23,

Annual exhibition of work by students
in the University's co-operative art
education program with Sheridan College.

Royal Ontario Museum.

To Aug. 31,

"The Embroiderer's Art", fine embroidery
from the 16th century to the present.

Pieces displayed include elaborate satin
dress attributed to Rose Bertin, designer
to Marie Antoinette, and "Spanish" shawls
popular in the 20s that were actually made
in China.

Textile Gallery, 2nd floor.

To Sept. 10,

"Costume from the World of Islam",
complementary to embroidery exhibition,
show includes regional costumes, jewellery
and other accessories.

Textile Gallery, 2nd floor.

To Aug. 31,

"Chinese Embroidery", complementary to
embroidery exhibition, show of selected
imperial embroideries of the Ch'ing
Dynasty, 1644-1911.

Far Eastern Textile Gallery, 3rd floor.

Concerts

Noon Hour Recitals.

Wednesdays April 6, 19, May 3, and

Tuesday, May 16.

Concert Hall, Royal Conservatory of
Music. 12.15 p.m. Information 978-3771.

U of T Concert Band.

Friday, April 7,

Conductor Ronald Chandler. MacMillan
Theatre, Edward Johnson Building.
8.30 p.m.

Camelot: Seiree Musicale.

Friday, April 7.

A combination of music and comedy at a
concert rehearsal that might have taken
place in Canada at the turn of the century.
Meeting Place, Scarborough College.
8.30 p.m. Tickets \$5. Information 284-3243.

U of T Symphony Orchestra.

Saturday, April 8

Conductor Victor Feldbrin, program
includes Mozart and Prokofiev. MacMillan
Theatre, Edward Johnson Building.
8.30 p.m. Tickets \$3, students and senior
citizens \$1.50. Information 978-3744.

U of T Concert Choir.

Sunday, April 9.
Conductor Charles W. Helfeman, program includes Renaissance and contemporary composers from Palestrina to Gershwin. Walter Hall, Edward Johnson Building. 3 p.m. Tickets \$2, students and senior citizens \$1. Information 978-3744.

Remeny Award Competition.

Sunday, April 16.
Annual competition for violin students started over 50 years ago in Budapest and revived at the Faculty of Music in 1975. The House of Remeny, Hungarian musical firm now located in Toronto, contributes the prize for the winner — a new violin built by a contemporary Hungarian luthier. Preliminary sessions reduce the number of participants in the final competition to four or five students at the faculty. Walter Hall, Edward Johnson Building. 2 p.m.

Donald McMurrich Memorial Scholarship Fund.

Sunday, May 28.
Wray Dawes and David Young, piano and double bass duo, with guests, will perform jazz, classical and contemporary music. Fifth annual concert for fund established to assist a promising double bass student at either the faculty or the conservatory. Donations may be made to the University of Toronto. Walter Hall, Edward Johnson Building. 3 p.m.

**Operas
& Plays****Studio Theatre.**

Week commencing Monday, April 3.
"Antony and Cleopatra" by William Shakespeare. Produced by students of Graduate Centre for Study of Drama.

Friday, April 14, and Saturday 15.
Production from University of Windsor. Studio Theatre, Glen Morris St. 8.30 p.m. Information and reservations, 978-4010 or 978-8705.

Opera Excerpts.

Wednesday, May 17, Friday 19, Tuesday 23, Wednesday 24, Friday 26, and Saturday 27.

Produced by Opera Department, scenes are staged and costumed, accompanied on the piano.

MacMillan Theatre, Edward Johnson Building. 8 p.m. Tickets \$1, unreserved, available from box office from 5 p.m. before each performance.

Miscellany**Scarborough College Tour.**

Sunday, April 2.
Guided tour starts from reception desk at 2.30 p.m. Information 284-3243.

London UTAA Branch Dinner.

Wednesday, April 5.
Guest speaker will be the Lieutenant-Governor, the Hon. Pauline McGibbon.

Music Alumni, Staff & Students.

Saturday, April 8.
Reception following U of T Symphony concert to honour the long service of four staff members: Professors Greta Kraus, Robert Rosevear, Piersa Sweeney and John Weinzwig. Advance ticket notice has been mailed to alumni, staff and students. If you did not receive a notice, telephone 978-3744.

Woodsworth College Alumni.

Thursday, April 20.
Educational encounter. Information 978-5076.

Wednesday, May 31.
Annual meeting. Woodsworth College in the evening. Information, Tanya Rossby, 488-4233.

Household Science Alumnae.

Thursday, April 27.
Annual meeting: "New Directions of Alumni Affairs". Dessert and coffee. Lillian Massey Building. 7.30 p.m. Information 978-8990.

St. Michael's Alumni, Faculty & Friends.

Thursday, May 25.
Testimonial dinner to honour Father Kelly's 20 years as president and 50 years on the campus. Canadian Room, Royal York Hotel. Enquiries: Alumni Secretary, St. Michael's College, 81 St. Mary's Street, Toronto M5S 1J4, telephone 921-3151.

Convocations.

Friday, June 2.
2.30 p.m.
Tuesday, June 6.
2.30 p.m.
Wednesday, June 7.
2.30 p.m.
Thursday, June 8.
2.30 p.m.
Friday, June 9.
2.30 p.m.
Monday, June 12.
2.30 p.m.
Tuesday, June 13.
10.30 a.m. and 2.30 p.m.
Wednesday, June 14.
2.30 p.m.
Thursday, June 15.
10.30 a.m. and 2.30 p.m.
Friday, June 16.
10.30 a.m. and 2.30 p.m.

Spring Reunion.

Friday, June 2 and Saturday 3.
Honoured years: 0T8, 1T8, 2T8, 3T8, and 5T3.

Arts Festival at Erindale.

Saturday, June 10 and Sunday 11.
Annual festival on the Erindale campus where arts and crafts are demonstrated, displayed and sold, and musicians entertain. Sponsored by Erindale College, Port Credit Rotary Club and Mississauga Department of Parks & Recreation.

come back for Spring Reunion

Saturday June 3rd

Celebrating 0T8 1T8 2T8 3T8 5T3

Presented by
THE SPRING REUNION COMMITTEE
of the University of Toronto
Alumni Association



- Campus tours by bus and buggy
- Blue and White Alumni Band
- Luncheon in the Great Hall
- Carillon Concert
- President's Garden Party
- Meeting rooms for each honoured year
- Cash bars and other refreshments

Plus Special Class and College Reunion sponsored by your Alumni Association

Items

A good idea whose time has come

An Englishman who lived in the thirteenth century is thought to have been one of the first to remember his university in his will.

The philanthropist, Alan Bassett by name, bequeathed a modest sum to Oxford University, thereby assisting his alma mater to carry on at a time when it had not developed the reputation for scholarly excellence that it has today.

Since Bassett's time, the idea of leaving a gift to one's university has become increasingly popular.

At U of T, scholarship and research funds have been established in this way, and book acquisition funds and many other endowments stand as a constant memorial to their forward-looking donors.

As one example among many, consider the generosity of Professor J. Roy Cockburn, who left \$500,000 to the Faculty of Applied Science & Engineering for uses to be determined by the faculty's teaching staff. Today, some of the income from Prof. Cockburn's endowment provides engineering students with funds to specialize

during the summer in a project of their choice, allowing them the freedom to experiment and pursue ideas.

In 1956, the Elizabeth Fry Society and other friends of Canada's first woman M.P., Agnes McPhail, established a memorial bursary in her name, to be awarded to a female student eligible for the master of social work program.

Not that it is necessary for the giver to be a U of T alumnus. That same year John W. Billies, who had been unable to attend university for financial reasons, left shares in his company, Canadian Tire Corporation, to support students whose families could not afford to send them to the University.

Today, inquiries about the Deferred Giving Program of the University's Update fundraising campaign should be directed to Nelson Earl at the Department of Private Fundraising, (416) 978-2171.

Seven centuries later, Alan Bassett's good idea is still a good idea.

Seniors make themselves useful

Short funded and short staffed, U of T has been challenged by a sturdy little group, Alumni Talent Unlimited, to find volunteer opportunities for senior alumni.

Wilson Abernathy and his committee, an offshoot of the alumni association, feel there are opportunities aplenty for the volunteer services of senior citizens. Why not U of T itself?

There is no lack of volunteers. Alumni Talent Unlimited grew naturally from two years of workshops on opportunities for participation and leadership for retired people, sponsored by the Senior Alumni Committee of the alumni association.

Out of these workshops grew a list of talented and experienced people who, while interested in serving the community, preferred, if given the chance, to serve the University.

The response of the University community was slow at the outset, but is sure to improve as the word gets around of the availability of skilled, well-informed, and enthusiastic volunteers.

Already senior volunteers help graduate students with written English at the International Student Centre. Some have participated in a Woodsworth College seminar on women returning to work. The Student Counselling & Placement Centre plans to use their individual expertise. They sat on the committee for the development of a program on gerontology.

Most recently, Alumni Talent Unlimited has nominated six people for membership on the University's committee on ethical procedures in research.

The group's executive sees these contributions as just a beginning. New ideas about ways the University can use older people should be communicated to Alumni Talent Unlimited, Alumni House, 47 Wilcocks St., Toronto M5S 1C7.

"We have the time and the background," says Wilson Abernathy. "I see this as the beginning of an operation that can lead to great things — for the University and for ourselves."

Join the President's committee

A President's Committee will be inaugurated this spring to honour the University's outgoing President, John R. Evans, and to welcome the incoming President, James M. Ham.

Members of the committee will be those who donate \$1,000 a year to the University. Advisers to the committee will be donors of \$500 or more, up to \$1,000.

A formal dinner will be held in the next few months for members of the President's Committee. Already there are more than 80 members of this special group of donors.

The committee is being created to honour the two Presidents and to encourage continuing private support for the maintenance of the quality and excellence of education at U of T.

The Committee of One Thousand, made up of individuals who have donated \$100 or more annually to the University, will continue.

Both committees recognize the need that exists today for leadership in private support of the University of Toronto.

U of T paintings are on the road



"Isles of Spruce", by Arthur Lismer

Fifty-nine works of art have been loaned to the Art Gallery of Ontario by the University for a period of up to 10 years.

In exchange, the art gallery will restore the paintings, many of which have seriously deteriorated.

Thirty-one of the paintings, from the collections of Hart House, University College, and Victoria College, were exhibited at the gallery last November and are now touring cities throughout Ontario.

The exhibit focuses on works from 1915 to 1948, a period dominated by the Group of Seven. It includes rarely seen works by Lismer, Carmichael, Harris, Jackson, Casson, MacDonald, and Varley. There are three paintings by

Tom Thompson, including his famous "The Painters", two by David Milne, and one by Emily Carr.

An interesting aspect of the exhibit is that it displays paintings by the Group of Seven alongside works produced during the same period by such lesser-known artists as Prudence Heward, Yvonne Housser, and Anne Savage — all of whom were once overshadowed by the group's prominence, but are now being re-evaluated.

To learn when Canadian Paintings in the University of Toronto will visit your city, see the "In & Around" section on pages 12-13 of this issue of the Graduate. Further listings will appear in the next issue.

Bud Willmot chairs 'special names'

Donald G. "Bud" Willmot, Engineering 377, has agreed to chair the special names solicitation for the University's Update fundraising campaign.

Now the chairman of the board of Molson's Companies Ltd., Bud Willmot is active in community affairs. While living

in St. Catharines he was the chairman of the board of governors for Brock University, a governor of St. Catharines General Hospital, and a member of the board of Ridley College. As well as being active in his own business, he serves on the boards of directors of many other firms.

Only graduates will get the Graduate

Many "former students", alumni who were enrolled but did not graduate, will no longer receive the Graduate and other mail from the University after July 1 of this year. The reluctant decision to split off some 51,000 names from the main file into an inactive category has been made for cost reasons.

Retained on the mailing list will be all those "former students" who inform Alumni House that they wish to continue to receive mail from U of T. Donors to the Varsity Fund will also be kept on the active list.

The University of Toronto Act includes in its definition of an alumnus anyone who was enrolled at the University for at least one year, did not graduate, and has not re-registered. There are some 51,000 in this category.

A twin escalation factor is at work. Record costs are mounting as the number

of U of T alumni continues to increase.

There are about 196,000 alumni on the University's mailing list. With the names of "former students" removed, the mailings will be reduced to 145,000.

The University will graduate some 10,000 students this year, and within five years, it is estimated the mailings will have climbed to their former level.

This important University policy decision will not wipe off "former students'" names, explains Bill Gieberzon, alumni records manager. With the computer system now in use, the names can be placed in an inactive category from which they can be reactivated, if desired.

"Former students" wishing that their name be retained on the active mailing list need only fill out the coupon below, and mail to: Alumni House, 47 Wilcocks St., University of Toronto, Toronto M5S 1A1; or phone 978-2139.

FORMER STUDENTS (ALUMNI WHO DID NOT GRADUATE) must complete this coupon in order to continue receiving the Graduate and other mail from the University.

Name _____
Address _____
College/Faculty _____ Home telephone # _____
Student # (if known) _____ Last year at U of T _____

Flying to Rio

As the last passengers disembark this spring from alumni tours to Hawaii and Trinidad/Tobago, alumni administrators of five Ontario universities will be meeting to plan travel programs for the academic year 1978-79.

Four possible itineraries are being considered for the tours: Rio de Janeiro, Switzerland, a Caribbean cruise, and a 10-day trip to Japan. The alumni departments at U of T, Queen's, Ottawa, Brock, and Windsor will make a collective decision on the matter, and a detailed announcement will appear in the next issue of the *Graduate*.

By Christmas, 180 U of T alumni had signed up for this season's trip, a fair response when you consider that the Department of Alumni Affairs has been in the travel business only two years.

The aim of the program is not particularly academic. The idea is to balance quality and price, with the added attraction of selected travelling companions, namely other university alumni.

Next season's alumni holidays will be offered during the Christmas holidays, the University's reading week, and the school spring break. The trip to Japan, if agreed to, will be offered as a late spring, summer, or autumn holiday.



Varsity Fund report

THINK BIG: That message in this cartoon from the January issue of the *United Church Observer* should be taken to heart during 1978 by all alumni of the University.

Many constituencies, such as St. Michael's and Victoria, have improved their giving record for this year, whereas others seem to have dropped. I would like to thank the many faithful Varsity Fund donors who have consistently contributed to the University, but also exhort those who have ignored its pressing financial needs to assist the University now.

Let's all THINK BIG for the Varsity Fund in 1978.

Financial report for the year ending December 1977:

total number of donors: 14,931
total donations: \$670,513.37

R.J. Armstrong
R.J. Armstrong
Chairman, Varsity Fund

**You can travel Canada
coast to coast at moderate
cost this summer.
Stay at University Campus
Residences.**



- Good accommodations
- Family arrangements
- Centrally located

For detailed brochure write:

Alumni House
47 Wilcocks St., M5S 1A1
or phone 978-2365

A service of the Department of Alumni Affairs for U of T alumni.

Moving?

Send change of address to: Alumni Records, University of Toronto,
47 Wilcocks St., Toronto, Ontario M5S 1A1

Name Student #
Address College
..... Yr. Grad.
Postal Code Phone Number



SENIOR ALUMNI LECTURE SERIES

"CANADIAN PERSPECTIVES" SPRING 1978

THE SENIOR ALUMNI COMMITTEE IS
PLEASED TO ANNOUNCE OUR INFORMAL,
ACADEMICALLY ORIENTED LECTURE AND
DISCUSSION SERIES.

ENROLMENT IS LIMITED

PLACE: University College, Room 179, (Media Room)
FEE: \$12.00 per person or \$20.00 per couple
TIMES: Wednesdays from 9:30 a.m. to 12:00 noon

April 5

"Social Demography in Canada's Future"

Professor L. Marsden, Chairperson, Department of Sociology

April 12

"Urban Transportation"

Professor R. Soberman, Director, Joint Program in Transportation

April 19

"Our University's History: Part II"

Professor R. Harris, University Historian

April 26

"Myths of Canadian Urbanization"

Professor L.S. Bourne, Director, Centre for Urban and Community Studies

May 3

"Canadian-Chinese Relations and China Today"

Professor W.G. Saywell, Principal, Innis College

Coffee at 9:30, Lecture at 10:00 The session on April 5 will be followed by a light lunch in the Croft Chapter House. University College (the cost of this lunch is included in the fee) For further information contact:
Or William Gleberzon, telephone 978-8091

Clip and mail to:

Alumni House
University of Toronto
47 Wilcocks Street
Toronto, Ontario M5S 1A1

NAME: _____ ADDRESS: _____

TELEPHONE: _____ YEAR OF GRADUATION: _____

Enclosed is \$ _____ for _____ Registrants

PLEASE MAKE CHEQUE PAYABLE TO THE UNIVERSITY OF
TORONTO ALUMNI ASSOCIATION

Sonja Sinclair, Trinity 473, is a communications consultant with Price Waterhouse & Co. in Toronto.

Galloping through American literature is no picnic if you've just left Czechoslovakia

I'm a stranger here myself

by Sonja Sinclair

We were sipping tea in the common room at St. Hilda's College, talking about the possibility of Trinity accepting me as a student. It was January 1940, exactly a year since I had left Czechoslovakia to finish my schooling in England, barely a week since my arrival in Canada. University College had recoiled in horror at the thought of admitting a student who had missed a whole term, and I had almost resigned myself to the thought of losing the year when a new-found friend of my mother's mentioned that she could arrange a meeting with the dean of St. Hilda's.

So here we were, mother and I, balancing tea cups and sandwich plates, and trying to figure out what would make us seem most presentable in the eyes of Mrs. Kirkwood and Professor Hicks, the head of the French department. I have a vague recollection of "Papa Hicks" asking me a question in rather broken French. My answer must have satisfied him because I was told I could start attending lectures the following day. Admission was a much simpler process in 1940 than it is today.

I enrolled in modern languages on the theory that my reasonably fluent French and German would compensate for the gaping inadequacies in English. That proved to be just as well since one of the courses I had to take was a kind of quick gallop through American literature. I believe the only American novel I had read at that point was *Gone With The Wind*, which unfortunately was not on the curriculum; I had never even heard of Whitman, Emerson, Hawthorne or Henry James, and was only vaguely aware of the existence of Mark Twain.

The only reason I managed to muddle through was that Arthur Barker, my American literature professor, took pity on me and offered to coach me twice a week, free of charge. Without his inspiring and selfless help, the culture gap would surely have proved unbridgeable within less than five months.

Barker also undertook to explain what seemed to me the utterly baffling college system at U of T. The history of human thought, he said, can be divided into two schools. There is the school which believes that secular and spiritual knowledge are separate and basically unrelated to each other; that is the school University College rests on. The other school believes that knowledge is one and indivisible: that school led to the founding of Trinity College — "and that is the reason why you have to take one hour of religious knowledge a week unless of course there happens to be a war on, in which case you may take military studies instead."

The gaps in my background were not confined to cultural or intellectual matters. The St. Hilda's Formal was scheduled to take place within a few weeks of my arrival, and when my classmates asked me, was I going, I explained that I didn't know anybody I could take. No problem, said one of them, she would get me a blind date. "A blind date?" I had no idea what she was talking about; but once she explained it to me the idea seemed eminently sensible and acceptable. Not so to my parents who were appalled at the thought of unchaperoned dates of any kind, let alone with complete strangers. But eventually, they too bowed to the strange customs of their adoptive homeland.

As examination time approached, the war in Europe erupted, first into the disastrous Norwegian campaign, then the collapse of the Maginot Line. I remember trying desperately to study while the newspapers were announcing one defeat after another. The day of my American literature exam, Dunquerque was surrounded and the entire British Expeditionary Force seemed doomed. Those of us who had hoped that the war would lead to the liberation of our native country felt as though our world was coming to an end.

That day, a friend offered me a lift to Convocation Hall and on the way, I told her how depressed I was about the news.

To my amazement, she seemed completely unconcerned; everything was going to turn out all right, she assured me. In spite of all the kindness and hospitality I had experienced, I suddenly felt like a complete outsider. They just don't understand, I thought, their brothers and fiancés are all volunteering for active service, but it's just a conditioned reflex, a gesture of loyalty to king and country. They don't know what it's like over there, how people are suffering in the occupied countries, how dreadful the consequences will be if we lose.

The next day I had my Shakespeare exam for which I hadn't had time to study at all because of my total immersion in American literature. The play on that year's syllabus was *Hamlet*, and after looking at past year's examination papers I was pretty sure that there would be a major question either about the problems of delay or about Hamlet's madness. I had written an essay about the former but knew absolutely nothing about the latter, so I figured my chances of passing were about 50/50.

As it turned out, the crucial question was: "Discuss the problem of procrastination in *Hamlet*." Strangely enough, "procrastination" was a word I had not encountered in my comparatively brief acquaintance with the English language, but it certainly sounded to me like some form of mental disorder. So I set out to convince my examiners that it was Hamlet's procrastination which caused him to keep delaying the revenge of his father's death.

Somehow I managed to score a B in English — possibly for ingenuity rather than the grasp of my subject; but for years I suffered recurring nightmares about examination papers with a mysterious word which held the key to my fortunes.

Harold Adams Innis Portrait of a scholar

Donald Creighton

This biography of one of Canada's most distinguished scholars in the field of the social sciences is back in print in a paperback edition, with a new introduction on its origins in the university conditions of its time. A personal tribute, the book is written in Donald Creighton's distinctive and elegant style; it is a skilful biography which will serve well to introduce the career, character, and thought of Harold Adams Innis to a new audience. \$4.95

Essays on the Constitution Aspects of Canadian law and politics

Frank R. Scott

Some thirty articles and occasional pieces from four decades, the work of one of Canada's most influential political thinkers, provide a remarkably coherent interpretation of recent developments in regard to the constitution, civil liberties, and the law. \$25.00 cloth, \$7.50 paper

University of Toronto Press

IMMERSION IN FRANCE

IMPROVE YOUR FRENCH AT THE UNIVERSITY OF TOURS IN THE HEART OF HISTORICAL FRANCE.

ONE MONTH COURSES IN JULY AND AUGUST 1978. ALL LEVELS FROM BEGINNER TO ADVANCED. CREDIT GIVEN FOR SUCCESSFUL COMPLETION OF COURSE.

JUST \$ 899

INCLUDES FLIGHT, ACCOMMODATION, TWO MEALS DAILY, TUITION AND SIGHTSEEING

SAMPLE THE BEST WINES OF FRANCE

MAGNIFICENT 17 DAY TOUR GIVES YOU A TASTE OF ALSACE, BURGUNDY, THE RHONE, PROVENCE, LANGUEDOC, CORBIER, ADOQUANCA, EDOUARD, COGNAC, THE LOIRE, CHAMPAGNE AND PAYS.

\$ 999

INCLUDES AIRFARE, 1st CLASS/DELUXE ACCOMMODATION WITH BATH, BREAKFAST DAILY, 5 DINNERS, SIGHTSEEING, WINE TOURS AND TASTING.

DEPARTURES — MAY 15, AUGUST 1, SEPTEMBER 11, 1978.

FOR INFORMATION AND RESERVATIONS CALL OR WRITE:
WONIA TOURS INC.,
3319 A BLOOM ST. WEST,
TORONTO, ONTARIO M6X 1E7
PHONE (416) 233-7782.

Professional Directory

COOPERS & LYBRAND

CHARTERED ACCOUNTANTS

Halifax Saint John Sept Isles Quebec Montreal
Ottawa Toronto Hamilton Kitchener London
Windsor Winnipeg Kelowna Saskatoon Calgary
Edmonton Vancouver

and in Principal areas of the world

Clarkson, Gordon & Co.

Chartered Accountants

St. John's	Ottawa	Kitchener	Regina
Halifax	Scarborough	London	Calgary
Saint John	Toronto	Windsor	Edmonton
Quebec	Mississauga	Thunder Bay	Vancouver
Montreal	Hamilton	Winnipeg	Victoria

Thorne Riddell & Co.

Offices throughout Canada

International Firm:
McLintock Main Lafrentz & Co.

CHARTERED ACCOUNTANTS

Box 262, Royal Trust Tower
Toronto-Dominion Centre, Toronto, Canada M5K 1J9

DUNWOODY & COMPANY

Internationally

LASSER, ROBSON RHODES &
DUNWOODY

Chartered Accountants